

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claims 1-30 (canceled).

31. (currently amended): An article having a photo-catalytic activity, comprising a titanium oxide thin film formed on a surface of a base material with an aqueous dispersion of titanium oxide particles comprising chloride ion and at least one Brønsted base selected from the group consisting of pyrophosphate ion, metaphosphate ion, polyphosphate ion, methanesulfonate ion, ethanesulfonate ion, dodecylbenzenesulfonate ion and propanesulfonate ion, wherein the titanium oxide particles have an average particle diameter of from about 0.01 μm to about 0.1 μm , and the content of chloride ion and Brønsted base is in the range of about 50 ppm to about 10,000 ppm as the total anion content in the aqueous titanium oxide dispersion.

32. (canceled).

33. (original): The article according to claim 31, wherein the content of titanium oxide particles in the aqueous titanium oxide dispersion is in the range of about 0.05 mol/liter to about 10 mol/liter.

34. (original): The article according to claim 31, wherein the aqueous titanium oxide dispersion further contains from about 10 ppm to about 10,000 ppm of a water-soluble polymer.

35. (original): The article according to claim 31, wherein the aqueous titanium oxide dispersion further contains an adhesive.

36. (original): The article according to claim 35, wherein the adhesive is an alkyl silicate.

37. (original): An article having a photo-catalytic activity, comprising a titanium oxide thin film formed on a surface of a base material with an aqueous dispersion of titanium oxide particles comprising chloride ion and a Brønsted base selected from the group consisting of nitrate ion, phosphate ion, pyrophosphate ion, metaphosphate ion, polyphosphate ion and an organic acid ion, which is a dispersion of titanium oxide particles comprising at least 70% by weight of brookite titanium oxide particles having an average particle diameter of from about 0.01 μm to about 0.1 μm and a specific surface area of at least about 20 m^2/g .

38. (original): The article according to claim 37, wherein the Brønsted base is at least one ion selected from the group consisting of nitrate ion and phosphate ion.

39. (original): The article according to claim 37, wherein the content of titanium oxide particles in the aqueous titanium oxide dispersion is in the range of about 0.05 mol/liter to about 10 mol/liter.

40. (original): The article according to claim 37, wherein the aqueous titanium oxide dispersion further contains from about 10 ppm to about 10,000 ppm of a water-soluble polymer.

41. (original): The article according to claim 37, wherein the aqueous titanium oxide dispersion further contains an adhesive.

42. (original): The article according to claim 41, wherein the adhesive is an alkyl silicate.

43. (currently amended): An article having a photo-catalytic activity, comprising a titanium oxide thin film formed on a surface of a base material with an aqueous dispersion of titanium oxide particles comprising chloride ion and a at least one Brønsted base selected from the group consisting of nitrate ion, phosphate ion, pyrophosphate ion, metaphosphate ion, polyphosphate ion and an organic acid ion, and further containing a binder comprising an alkyl silicate, wherein content of chloride ion and Brønsted base is in the range of about 50 ppm to about 10,000 ppm as the total anion content in the aqueous titanium oxide dispersion.

44. (original): The article according to claim 31, wherein the article is selected from the group consisting of lighting equipment, architectural glass and wall material.

45. (original): The article according to claim 37, wherein the article is selected from the group consisting of lighting equipment, architectural glass and wall material.

46. (original): The article according to claim 43, wherein the article is selected from the group consisting of lighting equipment, architectural glass and wall material.

47. (original): The article according to claim 31, wherein the article is a catalyst.

48. (original): The article according to claim 37, wherein the article is a catalyst.

49. (original): The article according to claim 43, wherein the article is a catalyst.

50. (original): The article according to claim 31, wherein the base material comprises alumina or zirconia.

51. (original): The article according to claim 37, wherein the base material comprises alumina or zirconia.

52. (original): The article according to claim 43, wherein the base material comprises alumina or zirconia.